

**Meeting of the Central Valley Flood Protection Board
February 26, 2008**

**Draft Staff Report
Floodway Protection Section**

Item

Consider approval of Permit No. 18344 (Attachment A) to abandon (cap and fill with slurry) three existing drainage discharge pipes and one utility pipe and replace (trench through levee) with discharge pipes and a utility pipe through the left (east) bank levee of Sevenmile Slough.

Applicant

Reclamation District 317

Location

The project is located south of Rio Vista and south of Highway 12. (Sevenmile Slough, Sacramento County see Attachment B).

Description

To abandon (cap and fill with slurry) three existing drainage discharge pipes and one utility pipe and replace (trench through levee) with 24, 20 and 30-inch-diameter discharge pipes and a 2-inch-diameter utility pipe through the left (east) bank levee of Sevenmile Slough. The pipelines are part of RD17's only pump station which drains Lower Andrus Island. The pipelines were surveyed with an internal camera and were determined to be nearing their life expectancy. The levee crown will be trenched to install the new pipelines so that the waterside invert elevation is above the 100-year flood elevation. No work will be performed below the ordinary high water line.

Agency Comments and Endorsements:

- The U. S. Army Corps of Engineers has sent a letter dated January 16, 2009 stating that the District Engineer has no comments or recommendations regarding flood control because this proposed work does not affect a federally constructed project (Permit Exhibit A).
- Brannan Andrus Levee Maintenance District has endorsed this application.

Proposed CEQA Determination of Exemption:

Board staff has prepared the following CEQA determination:

Brannan-Andrus Levee Maintenance District (BALMD) as lead agency under CEQA, approved the project (Reclamation District 317 Pump Discharge Lines Replacement) on August 31, 2008 and determined that the project was categorically exempt under a Class 2 categorical exemption (CEQA Guidelines 15302c) for replacement or reconstruction of existing utility systems and / or facilities involving negligible or no expansion of capacity.

The Board, acting as a responsible agency under CEQA, has reviewed the BALMD determination and has independently determined that the project is exempt from CEQA under a Class 2 categorical exemption (CEQA Guidelines 15302c) for replacement or reconstruction of existing utility systems and / or facilities involving negligible or no expansion of capacity.

Section 8610.5 Compliance

1. Evidence that the Board admits into its record from any party, State or local public agency, or nongovernmental organization with expertise in flood or flood plain management:

The Board will make its decision based on the evidence in the permit application and attachments, this staff report, and any other evidence presented by any individual or group.

2. The best available science that related to the scientific issues presented by the executive officer, legal counsel, the Department or other parties that raise credible scientific issues.

The accepted industry standards for the work proposed under this permit as regulated by Title 23 have been applied to the review of this permit.

3. Effects of the decision on the entire State Plan of Flood Control:

This project has no effects on the State Plan of Flood Control.

4. Effects of reasonable projected future events, including, but not limited to, changes in hydrology, climate, and development within the applicable watershed:

None.

Staff Recommendation

Staff recommends that the Board determine the project to be exempt from CEQA and to approve the permit.

List of Attachments

- A. Permit
- B. Location maps and photos

DRAFT

STATE OF CALIFORNIA
THE RESOURCES AGENCY
CENTRAL VALLEY FLOOD PROTECTION BOARD

PERMIT NO. 18344 BD

This Permit is issued to:

Reclamation District 317
PO Box 338
Walnut Grove, California 95690-0338

To abandon (cap and fill with slurry) three existing drainage discharge pipes and one utility pipe and replace (trench through levee) with 24, 20 and 30-inch-diameter discharge pipes and a 2-inch-diameter utility pipe through the left (east) bank levee of Sevenmile Slough. The project is located south of Rio Vista and south of Highway 12 (Section 14, T3N, R3E, MDB&M, Reclamation District 317, Sevenmile Slough, Sacramento County).

NOTE: Special Conditions have been incorporated herein which may place limitations on and/or require modification of your proposed project described above.

(SEAL)

Dated: _____

Executive Officer

GENERAL CONDITIONS:

ONE: This permit is issued under the provisions of Sections 8700 – 8723 of the Water Code.

TWO: Only work described in the subject application is authorized hereby.

THREE: This permit does not grant a right to use or construct works on land owned by the Sacramento and San Joaquin Drainage District or on any other land.

FOUR: The approved work shall be accomplished under the direction and supervision of the State Department of Water Resources, and the permittee shall conform to all requirements of the Department and the Central Valley Flood Protection Board.

FIVE: Unless the work herein contemplated shall have been commenced within one year after issuance of this permit, the Board reserves the right

to change any conditions in this permit as may be consistent with current flood control standards and policies of the Central Valley Flood Protection Board.

SIX: This permit shall remain in effect until revoked. In the event any conditions in this permit are not complied with, it may be revoked on 15 day's notice.

SEVEN: It is understood and agreed to by the permittee that the start of any work under this permit shall constitute an acceptance of the conditions in this permit and an agreement to perform work in accordance therewith.

EIGHT: This permit does not establish any precedent with respect to any other application received by the Central Valley Flood Protection Board.

NINE: The permittee shall, when required by law, secure the written order or consent from all other public agencies having jurisdiction.

TEN: The permittee is responsible for all personal liability and property damage which may arise out of failure on the permittee's part to perform the obligations under this permit. If any claim of liability is made against the State of California, or any departments thereof, the United States of America, a local district or other maintaining agencies and the officers, agents or employees thereof, the permittee shall defend and shall hold each of them harmless from each claim.

ELEVEN: The permittee shall exercise reasonable care to operate and maintain any work authorized herein to preclude injury to or damage to any works necessary to any plan of flood control adopted by the Board or the Legislature, or interfere with the successful execution, functioning or operation of any plan of flood control adopted by the Board or the Legislature.

TWELVE: Should any of the work not conform to the conditions of this permit, the permittee, upon order of the Central Valley Flood Protection Board, shall in the manner prescribed by the Board be responsible for the cost and expense to remove, alter, relocate, or reconstruct all or any part of the work herein approved.

SPECIAL CONDITIONS FOR PERMIT NO. 18344 BD

THIRTEEN: All work approved by this permit shall be in accordance with the submitted drawings and specifications except as modified by special permit conditions herein. No further work, other than that approved by this permit, shall be done in the area without prior approval of the Central Valley Flood Protection Board.

FOURTEEN: The permittee is responsible for all liability associated with construction, operation, and maintenance of the permitted facilities and shall defend and hold harmless the State of California, or any departments thereof, from any liability or claims of liability associated therewith.

FIFTEEN: The Central Valley Flood Protection Board and Department of Water Resources shall not be held liable for any damages to the permitted encroachment(s) resulting from flood fight, operation, maintenance, inspection, or emergency repair.

SIXTEEN: The permittee shall contact the Department of Water Resources by telephone, (916) 574-1213, and submit the enclosed postcard to schedule a preconstruction conference. Failure to do so at least 10 working days prior to start of work may result in delay of the project.

SEVENTEEN: No construction work of any kind shall be done during the flood season from November 1 to April 15 without prior approval of the Central Valley Flood Protection Board.

EIGHTEEN: Concrete backfill for abandoned pipes shall be at least a 3-sack cement mix with 6- to 8-inch slump and all aggregate smaller than the 3/8-inch sieve. Only the minimum pressure needed to fill the pipe with concrete shall be applied.

NINETEEN: All four (4) pipes shall be installed through the levee section at a right angle to the centerline of the levee.

TWENTY: Pipe installed in the levee section and within 10 feet of the levee toes shall be new steel and at least seven (7) gauge. Steel pipe shall be corrosion-proofed externally with a coating of coal-tar enamel; asphalt-saturated felt wrap; cement mortar; or PVC or polyethylene tape wrapped to a thickness of 30 mils. Steel pipe shall be corrosion-proofed internally with a continuous lining of cement mortar or asphalt.

TWENTY-ONE: Electrical lines over 24 volts installed through the levee section and within 10 feet of the levee toes shall be encased in Schedule 40 PVC conduit or equivalent.

TWENTY-TWO: All pipe joints within the levee section shall be butt welded.

TWENTY-THREE: The pipes shall be placed in the open trench with spacing for each pipe being 2 feet wider than the diameter of the pipe or 2 times the diameter, whichever is greater.

TWENTY-FOUR: Only impervious material shall be used for backfill within the levee section.

TWENTY-FIVE: Backfill shall be keyed into the existing levee section with each lift.

TWENTY-SIX: Backfill material for excavations within the levee section and within 10 feet of the levee toes shall be placed in 4- to 6-inch layers, moisture conditioned above optimum moisture content, and compacted to a minimum of 90 percent relative compaction as measured by ASTM Method D1557-91.

TWENTY-SEVEN: A positive-closure device that is readily accessible during periods of high water shall be installed on the waterward side of the levee.

TWENTY-EIGHT: The pipeline shall be tested and confirmed free of leaks by X-ray, pressure tests, or other approved methods during construction or anytime after construction upon request by the Central Valley Flood Protection Board.

TWENTY-NINE: In the event existing rock revetment on the levee is disturbed or displaced during construction, it shall be restored to its preconstruction condition.

THIRTY: In the event the abandoned pipe becomes exposed due to erosion, the permittee shall repair the erosion or remove the abandoned pipe as requested by the authorized representative of the Department of Water Resources or any other agency responsible for maintenance.

THIRTY-ONE: The permittee is responsible for repairing any damage to the levees caused by the installation or operation of the well or pipelines.

THIRTY-TWO: The permittee shall maintain the permitted encroachment(s) and the project works within the utilized area in the manner required and as requested by the authorized representative of the Department of Water Resources or any other agency responsible for maintenance.

THIRTY-THREE: The permittee may be required, at permittee's cost and expense, to remove, alter, relocate, or reconstruct all or any part of the permitted encroachment(s) if removal, alteration, relocation, or reconstruction is necessary as part of or in conjunction with any present or future flood control plan or project or if damaged by any cause. If the permittee does not comply, the Central Valley Flood Protection Board may remove the encroachment(s) at the permittee's expense.

THIRTY-FOUR: If the project, or any portion thereof, is to be abandoned in the future, the permittee or successor shall abandon the project under direction of the Central Valley Flood Protection Board and Department of Water Resources, at the permittee's or successor's cost and expense.

THIRTY-FIVE: The letter from the Department of the Army dated January 16, 2009, attached to this permit as Exhibit A is in reference to this project.



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
U.S. Army Engineer District, Sacramento
Corps of Engineers
1325 J Street
Sacramento, California 95814-2922

Flood Protection and Navigation Section (18344)

JAN 16 2009

Mr. Jay Punia, Executive Officer
Central Valley Flood Protection Board
3310 El Camino Avenue, Room LL40
Sacramento, California 95821

Dear Mr. Punia:

We have reviewed an application for a permit by Reclamation District 317 (Reclamation Board Number 18344). These plans include abandoning (cap and fill with slurry) three existing drainage discharge pipes and one utility pipe and replacing (trenching through levee) with 24, 20 and 30-inch diameter discharge pipes and a 2-inch diameter utility pipe through the left (east) bank levee of Sevenmile Slough. The project is located south of Rio Vista and south of Highway 12 at 38.1118°N and 121.6137°W NAD83, Sacramento County, California.

The District Engineer has no comments or recommendations regarding flood control because this proposed work does not affect a federally constructed project.

Based upon the information provided, no Section 10 or Section 404 permit is needed.

If you have any questions concerning our comments on this permit application, please contact Ms. Meegan Nagy at (916) 557-7257 or Mr. Robert Murakami at (916) 557-6738.

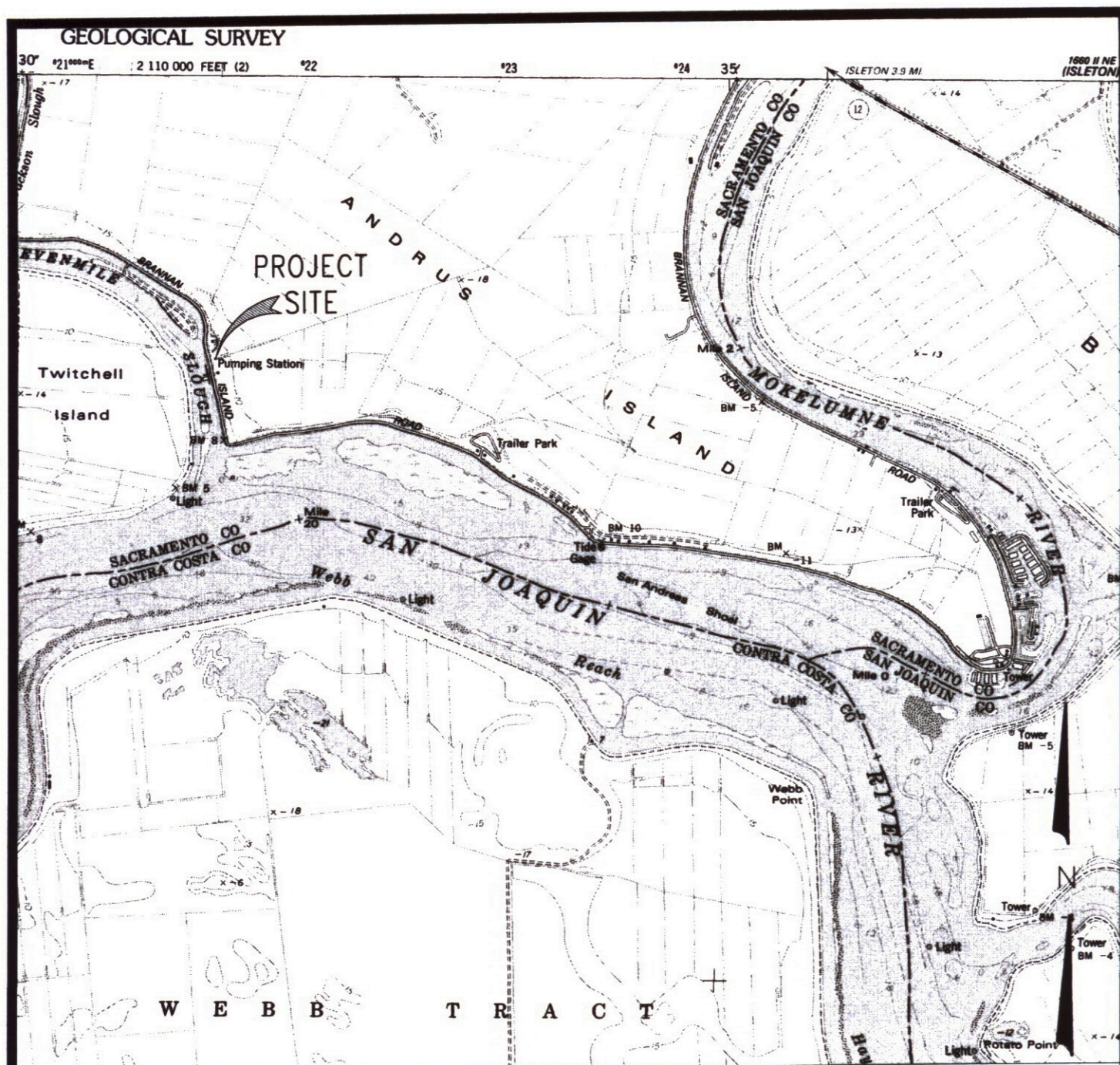
Sincerely,

A handwritten signature in black ink, appearing to read "Meegan G. Nagy", is written over a horizontal line.

Meegan G. Nagy, P.E.
Chief, Flood Protection and Navigation Section

Copy Furnished:

Mr. Jeremy Arrich, Chief, Flood Project Integrity and Inspection Branch,
3310 El Camino Avenue, Suite LL30, Sacramento, CA 95821



NOT TO SCALE

OWNER: RD317
P.O. BOX 338
WALNUT GROVE, CA. 95690

DATUM: NGVD 29

ADJACENT PROPERTY OWNER:

UPSTREAM: APN: 156-0110-001
ALVIN R & SHERRILYN Z ARCHER
1150 W BRANNAN ISLAND
ISLETON, CA. 95641

DOWNSTREAM:APN: 156-0110-002
TA & JC PROPERTIES LLC
P.O. BOX 31114
WALNUTCREEK, CA. 94598

CONTENTS:

VICINITY MAP

APN: 156-0110-023



Tel (916) 776-2277 Fax (916) 776-2282
P.O. BOX 929
WALNUT GROVE, CA 95690

Architecture
Civil Engineering
Land Use Planning
Feasibility Studies
Environmental Permitting
Construction Management

Program/Construction Management

PROJECT: DRAINAGE DISCHARGE
REPLACEMENT IN LEVEE
CROWN

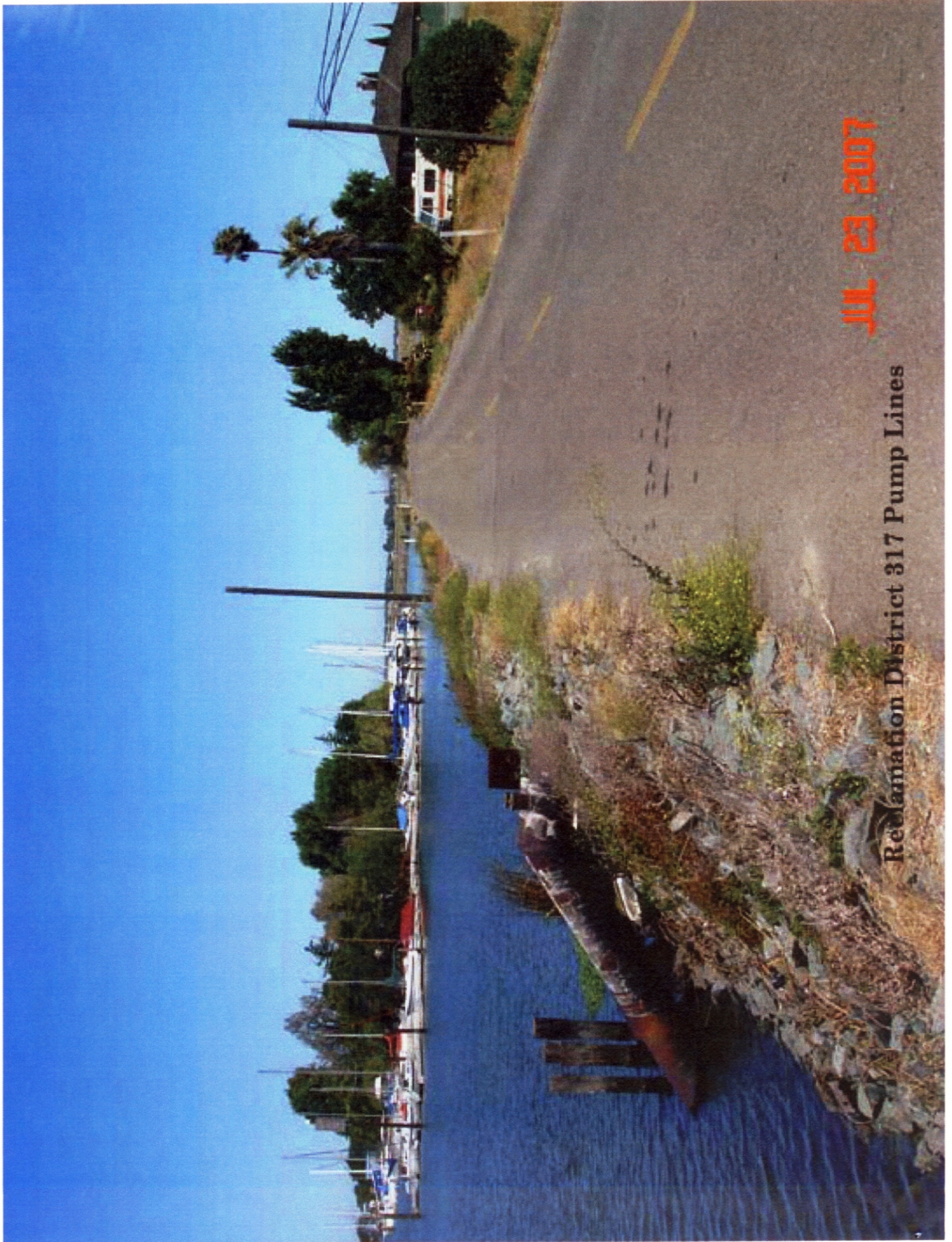
IN: SEVENMILE SLOUGH
COUNTY: SACRAMENTO

STATE: CA
APPLICATION BY:

DCC ENGINEERING CO., INC.

SITE #: 7217.03

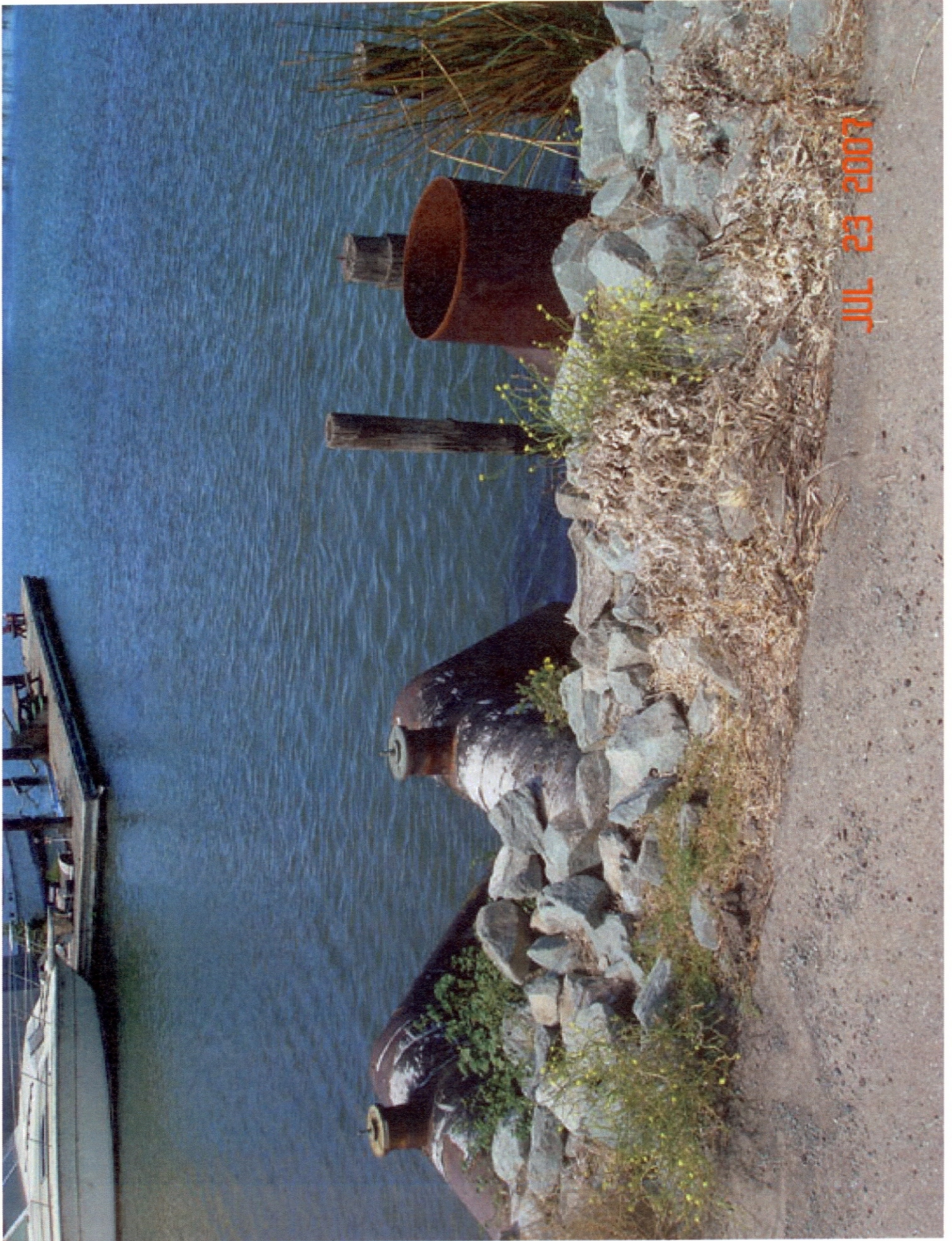
SHEET 1 OF 4 DATE: 01/31/08

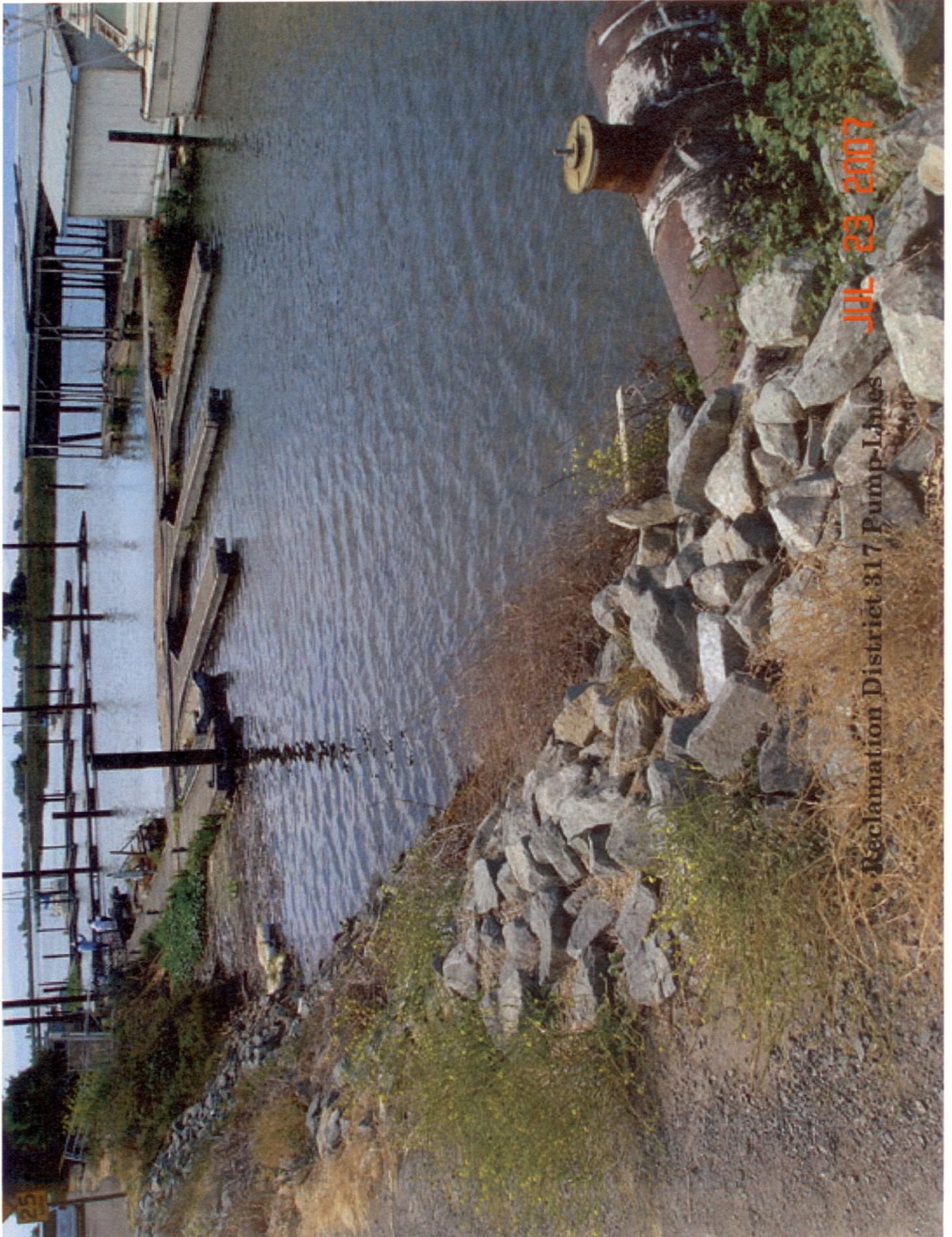


Reclamation District 317 Pump Lines

JUL 23 2007

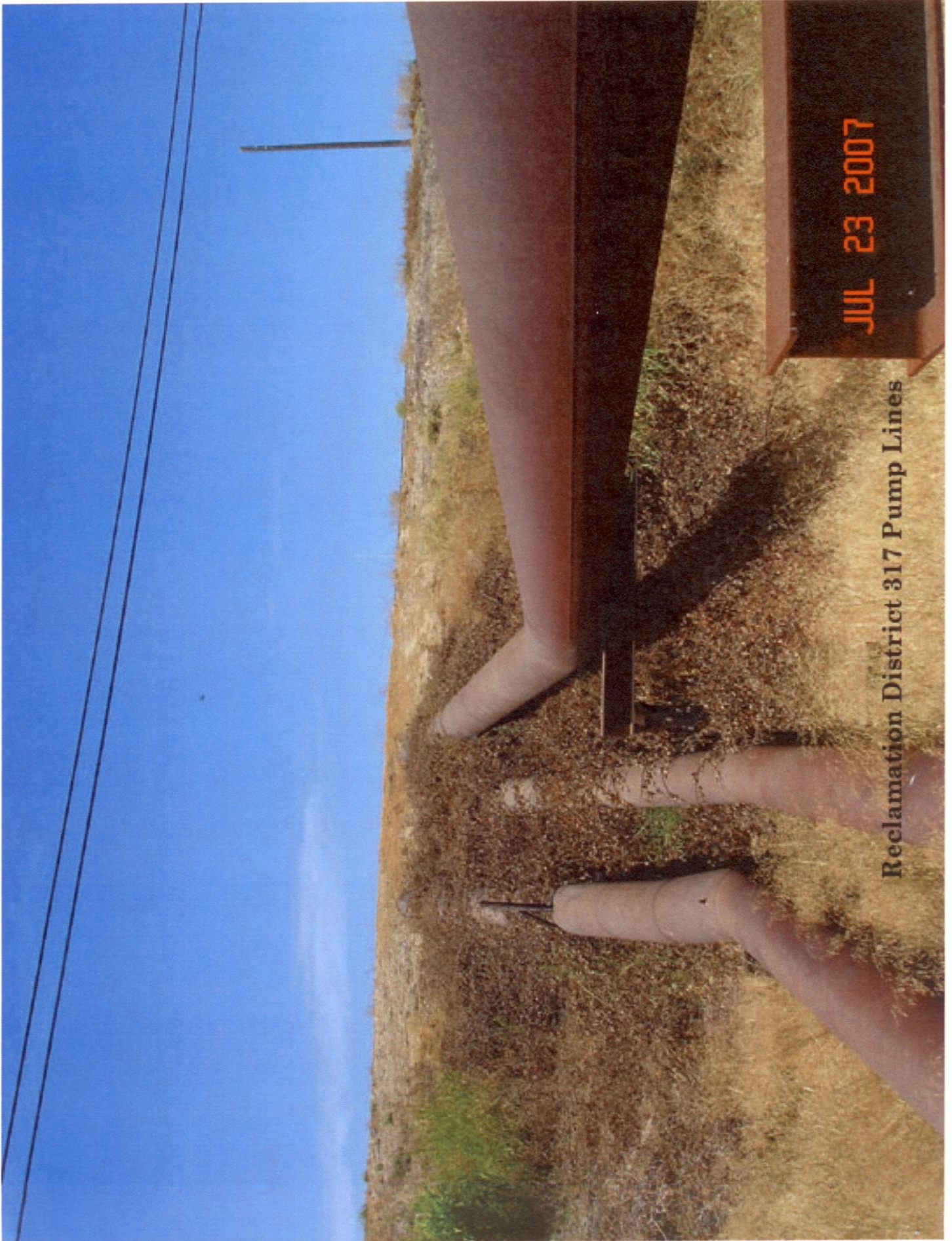






Reclamation District 317 Pump-Lines

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Reclamation District 317 Pump Lines

